Biogeochemical Cycles

On a sheet of plain white paper:

Fold the paper in half. Glue it down as instructed by your teacher, in your spiral notebook.

On the outside top half, please write the name of the cycle. Inside, copy the diagram in the text, or make a similar one. You may print from online source, but it must be sized well and fit nicely. If hand drawn, color please. Do not write all the numbers, but do write the words.

On the inside top flap. Please split section it in half, as shown by teacher sample. (See below for detail on causes and effects sections.)

|  |  |
| --- | --- |
| Gas phase? Yes or no | Cycle Quickly? Yes or no |
| Causes of Imbalance | Effects of Imbalance |

Do this for all the following cycles:

Hydrologic Cycle (page 86)

Carbon Cycle (page 91)

Nitrogen Cycle (page 95)

For this cycle, do the same as described above. You may omit (do not need to draw) the two inset boxes on the right side of the diagram labeled Nitrogen Fixation and Denitrification.

Phosphorus Cycle (page 96)

**Causes and effects section:**

Neatly state what the major anthropogenic (human) activities are that can throw this cycle out of balance. (label these as Causes of Imbalance) **Think of as many connections as you can.**Then state possible ecological and/or utilitarian effects that could occur if the system becomes out of balance. (label these as Effects of Imbalance**) Think of as many connections as you can.**